

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office 17 MAY 1951

Date of writing Report 15-3 1951 When handed in at Local Office 17-3 1951 Port of Rotterdam

No. in Survey held at Heusden Date, First Survey 22-3-50 Last Survey 28-3-1951
Reg. Book. (No. of Visits 11.)

9197 on the Motor Tanker "Leendert B" Tons Gross 49957 Net 27041

Built at Heusden By whom built Messrs de Haan & Oerlemans Yard No. 259 When built 3-51

Owners J.A. Oelbroeckers Broers Dordrecht Port belonging to Dordrecht

Installation fitted by Messrs N.V. Handelscompagnie When fitted 3-51

Is vessel equipped for carrying Petroleum in bulk yes Is vessel equipped with D.F. yes E.S.D. yes Gy.C. no Sub.Sig. no Radar no

Plans, have they been submitted and approved yes System of Distribution Two wire insulated Voltage of Lighting 110

Heating no Power no D.C. or A.C., Lighting D.C. Power D.C. If A.C. state frequency —

Prime Movers, has the governing been found as per Rule when full load is thrown on and off yes Are turbine emergency governors fitted with a trip switch — yes except shaft driven generator

Generators, are they compound wound yes, and level compounded under working conditions yes, if not compound wound state distance between generators — and from switchboard — Are the generators arranged to run in parallel no, are shunt field regulators provided yes Is the compound winding connected to the negative or positive pole negative pole

Have machines over 100 kw. been inspected by the Surveyors during manufacture and testing — Have certificates of test for machines under 100 kw. been supplied yes and the results found as per Rule yes

Position of Generators E.R. floor level

is the ventilation in way of generators satisfactory yes are they clear of inflammable material and protected from mechanical injury and damage from water, steam and oil yes Switchboards, where are main switchboards placed E.R. floor level

are they in accessible positions, free from inflammable gases and acid fumes and protected from mechanical injury and damage from water, steam and oil yes, what insulation is used for the panels dead front type switchboard

material is it an Approved Type —, if of semi-insulating material (slate or marble) are all conducting parts insulated therefrom as per Rule — Is the construction as per Rule, including locking of screws and nuts yes Description of Main Switchgear

for each generator and arrangement of equaliser switches 2.P. fuses and 2.P.T. switch

and the switch and fuse gear (or circuit breakers) for each outgoing circuit 2.P. switches and 2.P. fuses

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule yes Instruments on main switchboard one

ammeters one voltmeters — synchronising devices. For compound machines in parallel are the ammeters and reversed current protection devices connected on the pole opposite to the equaliser connection — Earth Testing, state means provided earth

indicating lamps connected to E through 2.P. fuses

Switches, Circuit Breakers and Fuses, are they as per Rule yes, are the fuses an Approved Type yes KEMA approved

make of fuses Weber, are all fuses labelled yes If circuit breakers are provided for the generators, at what overload do they operate —, and at what current do the reversed current protective devices operate —

Joint Boxes, Section Boards and Distribution Boards, is the construction as per Rule yes

Cables, are they insulated and protected as per Rule yes, if otherwise than as per Rule are they of an Approved Type — state maximum fall of pressure between bus bars and any point under maximum load 160 lb, are the ends of all cables having a sectional area of 0.01 square inch and above provided with soldering sockets yes

Are all paper insulated and varnished cambric insulated cables sealed at the ends — Are all the cable runs in accessible positions, not exposed to drip or accumulation of water or oil, high temperatures or risk of mechanical damage yes, are any cables laid under machines or floorplates no, if so, are they adequately protected — Are cables in machinery spaces, galleys, laundries, etc., lead covered yes or run in conduit —

or of the "HR" type — State how the cables are supported or protected E.R. : 2 L & H W B cable clipped to perforated plating accommodation and bridge space: 2 L cable clipped to wooden frames in surface under fore gangway: 2 L & H W B cable run in galvanised conduit

Are all lead sheaths, armouring and conduits effectually bonded and earthed yes Are all cables passing through decks and watertight bulkheads provided with deck tubes or watertight glands yes, where unarmoured cables pass through beams, etc., are the holes effectively bushed yes Refrigerated chambers, are the cables and fittings as per Rule —

PARTICULARS OF GENERATING PLANT.

GENERATOR CABLES.

MAIN DISTRIBUTION CABLES (to Section Boards, Distribution Fuse Boards, etc.).

LIGHTING, HEATING, WIRELESS, NAVIGATION LIGHTS, ETC., CABLES.

MOTOR CABLES.

ALL IMPORTANT MOTORS TO BE ENUMERATED.		No.	B.H.P.							
Supplies from G.F.B. power E.R.										
Glycerine pump fresh water	1	0.75	1	1.5	6.7 ✓	9.5	35	} N.Y.R. L. & H.W.B.		
Sea water	1	0.75	1	1.5	6.7 ✓	9.5	35			
Fuel oil transfer pump	1	1.	1	1.5	9.2 ✓	9.5	29			
Ventilation for white heating	1	knowall	1	1.5	9.9 ✓	9.5	29			
Domestic Refrigerator	1	0.5	1	1.5	4 ✓	9.5	36.			

The Electrical Equipment is installed in accordance with the approved plans and the requirements of the Rules.

All Insulated Conductors are guaranteed to have been tested at the maker's works as specified in the Rules.

The foregoing is a correct description.

HANDELSCOMPAGNIE N.V.

Electrical Contractors.

Date

COMPASSES.

Have the compasses been adjusted under working conditions... *yes*

DE HAAN & BERLEMANS

Builder's Signature.

Date *20-4-1951*

Have the foregoing descriptions and schedules been verified and found correct... *yes*

Is this installation a duplicate of a previous case... *no* If so, state name of vessel. —

Plans. Are approved plans forwarded herewith... *no* If not, state date of approval. *29-3-1951*

Certificates. Are certificates of test for motors engaged on essential sea services and generators forwarded herewith... *yes*

General Remarks. (State quality of workmanship, whether insulation tests, etc., have been made, opinions as to class, etc.)

The electrical equipment of this vessel has been installed under special survey in conformity with the Society's Rules and Regulations and in accordance with the approved plans and the Secretary's letter

The materials used are of a good quality and the design and workmanship are good. On completion the equipment has been tried out under full working conditions and found satisfactory

This equipment is in my opinion suitable for a classed vessel having the notation "Carrying Petroleum in Bulk"

Noted J.H.

22.5.51

50

Total Capacity of Generators... *14* Kilowatts.

The amount of Fee ...

£ 245.-

When applied for,

80/4 19 51

When received,

19

Travelling Expenses (if any) £

£8.50

W. H. D. Sluis

Surveyor to Lloyd's Register of Shipping.

Committee's Minute...

TUES 17 JUL 1951

Assigned

See F.E. mchey opt